

Appendix Table 1. Physician and practice characteristics of office-based physicians with any EHR (n=1,727)

<u>Physician characteristics</u>		
Age		
Less than 50		43%
50 or over		57%
Specialty		
Non Primary care		48%
Primary care		52%
<u>Practice characteristics</u>		
Size		
1		13%
2		11%
3-5		24%
6-10		21%
11+		21%
Unknown		11%
Ownership		
Physician or physician group		50%
Hospital/Academic medical center		17%
HMO/Other health care corporation		13%
Community health center		5%
Other/Unknown		15%
Single or multi-specialty		
Single specialty		60%
Multi-specialty		30%
Unknown		10%
Metropolitan status		
MSA		87%
Non-MSA		13%
Region		
Northeast		19%
Midwest		23%
South		34%
West		24%

Source: CDC/NCHS, Physician Workflow study, 2011.

Appendix Table 2. Incremental effects of EHR characteristics on probability that physicians reported EHR use led to clinical benefit (n=1,727)

	Overall, enhanced patient care	Helped you access a patient's chart remotely (e.g., to work from home)	Alerted you to a potential medication error	Alerted you to critical lab values	Helped you order more on- formulary drugs (as opposed to off-formulary drugs)	Reminded you to provide preventive care (e.g., vaccine, cancer screening)	Reminded you to provide care that meets clinical guidelines for patients with chronic conditions	Helped you order fewer tests due to better availability of lab results	Helped you identify needed lab tests (such as HbA1c or LDL)	Facilitated direct communication with a patient (e.g., email or secure messaging)
EHR meets meaningful use criteria										
No or unknown	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a
Yes	9.9 **	5.4	3.4	9.4 *	11.3 **	11.1 **	20.1 **	15.3 **	14.2 **	11.3 **
Length of experience with any EHR system										
1 year or less	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a
2 years or more	25.4 **	16.4 **	16.0 **	12.1 **	7.6	14.9 **	9.6	9.0	12.5 **	9.7 *
Age										
50 or over	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a
Less than 50	7.8 **	8.7 **	-0.4	8.9 **	4.4	-0.8	-0.9	-2.4	3.2	0.0
Specialty										
Non Primary care	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a
Primary care	6.4 *	3.7	16.5 **	14.0 **	8.8 *	33.1 **	18.2 **	7.8 *	26.0 **	5.9
Size										
1	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a
2	-7.3	6.5	8.7	10.9	-2.7	4.1	-8.0	8.6	-7.4	9.4
3-5	1.7	5.0	16.4 **	14.1 *	17.8 **	5.1	-1.3	0.8	-7.4	4.1
6-10	-1.7	-0.8	18.4 **	21.6 **	11.2	2.1	-6.2	1.3	-5.9	9.0
11+	1.7	3.2	18.6 **	30.2 **	15.4 *	6.2	-0.7	15.4 *	2.3	12.6 *
Unknown	3.5	1.5	17.1	22.2	-16.0	-9.7	-5.1	16.7	-11.8	22.6
Ownership										
Physician or physician group	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a
Hospital/Academic medical center	3.7	-7.6	-5.6	19.9 **	2.0	-4.6	-0.8	1.6	0.6	0.2
HMO/Other health care corporation	10.0 *	-2.6	13.7 *	15.2 *	14.2 *	21.5 **	20.1 **	6.9	9.7	22.6 **
Community health center	-14.2	-25.6 **	-3.9	12.1	-8.7	-5.6	-9.1	1.0	-3.3	-12.1
Other/Unknown	-2.2	-10.8	-6.7	2.0	-4.8	-1.9	13.7	1.2	1.9	-4.1
Single or multi-specialty										
Single specialty	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a
Multi-specialty	1.3	4.5	12.0 **	10.2 *	5.9	4.6	8.9	14.6 **	14.2 **	8.1
Unknown	5.4	11.2	11.5	3.8	36.1 **	22.7	1.3	6.8	22.3	1.4
Metropolitan status										
MSA	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a
Non-MSA	-7.4	-11.9 **	-0.4	-1.8	-1.2	4.7	4.2	-5.1	7.9 *	-9.0 *
Region										
Northeast	3.3	5.2	4.1	5.4	11.4 *	3.7	7.5	1.3	2.7	-1.1
Midwest	0.3	3.5	4.2	2.2	-0.9	3.2	5.0	-1.2	7.5	2.4
South	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a	-- ^a
West	2.1	7.2	-0.4	7.7	1.4	8.7	12.8 *	6.3	8.8	5.5

a Reference category. **(*) Significantly different from zero at p<0.01(0.05). Analysis sample includes physicians using an EHR in 2011. Source: CDC/NCHS, Physician Workflow study, 2011.